

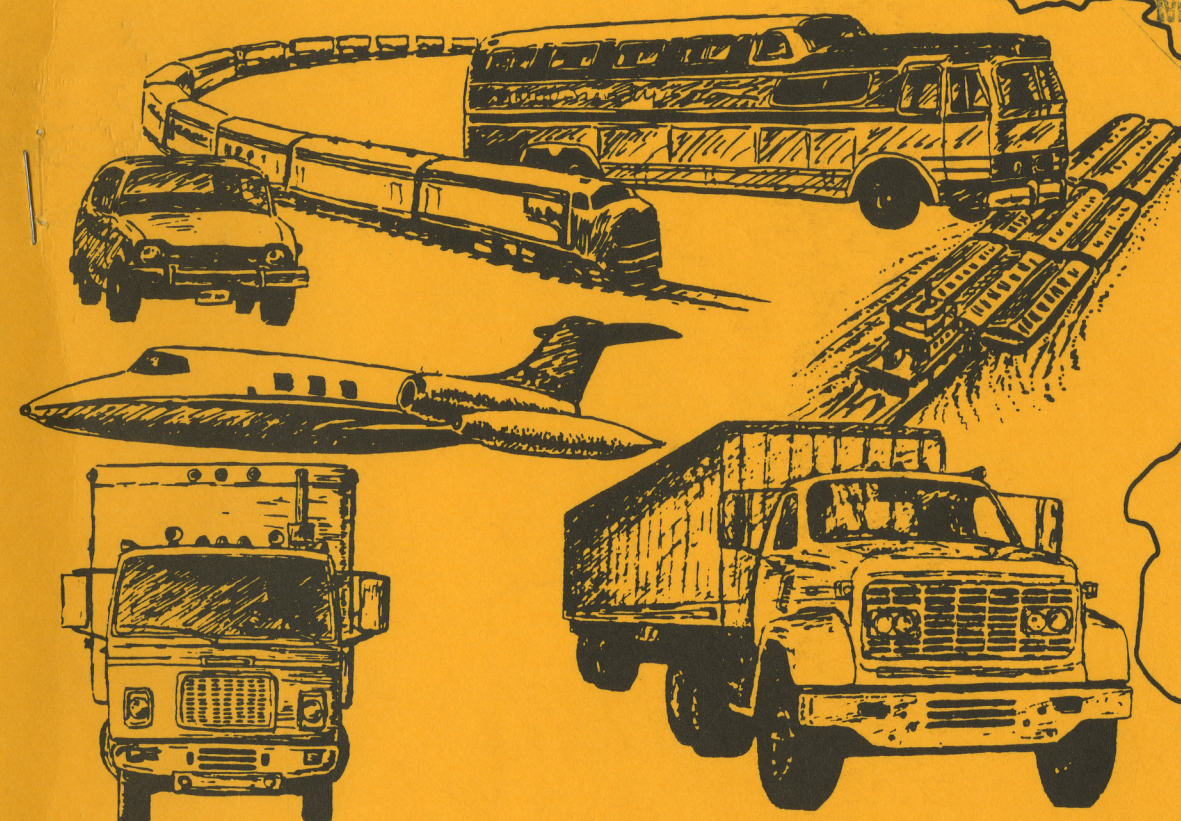


# Transportation Analysis

TA-M368-A

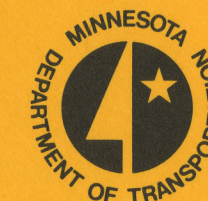
CSAH 18 from TH 494 to Minnesota River

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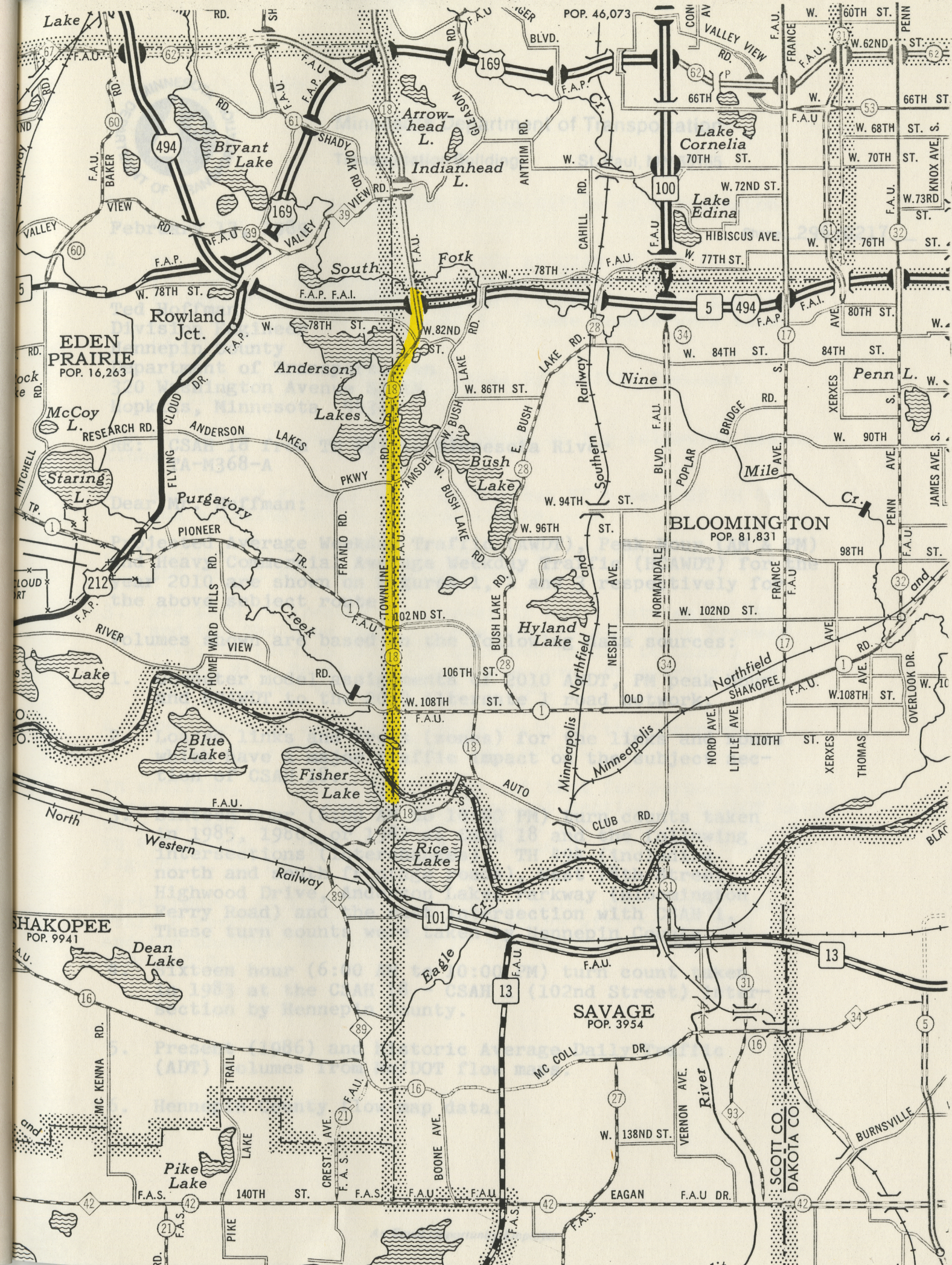


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1989

PREPARED BY  
THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
PROGRAM MANAGEMENT DIVISION  
TRAFFIC FORECASTS SECTION











Minnesota Department of Transportation

Transportation Building, St. Paul, MN 55155

February 13, 1989

Phone 296-0217

Ted Hoffman  
Division Engineer  
Hennepin County  
Department of Transportation  
320 Washington Avenue South  
Hopkins, Minnesota 55343

RE: CSAH 18 from TH 494 to Minnesota River  
TA-M368-A

Dear Mr. Hoffman:

Projected Average Weekday Traffic (AWDT), Peak Hour (AM & PM) and Heavy Commercial Average Weekday Traffic (HCAWD) for the year 2010 are shown on Figures 1, 2 and 3 respectively for the above subject route.

Volumes shown are based on the following data sources:

1. Computer model assignments of 2010 AWDT, PM peak hour and HCAWD to the 2010 Alternate 1 road network.
2. Loaded links and trees (zones) for the links and zones which have a major traffic impact on the subject section of CSAH 18.
3. Sixteen hour (6:00 AM to 10:00 PM) turn counts taken in 1985, 1986, or 1987 at CSAH 18 and the following intersections (interchanges): TH 494 (including north and south frontage roads), West 78th Street, Highwood Drive, Anderson Lakes Parkway (Bloomington Ferry Road) and the east intersection with CSAH 1. These turn counts were taken by Hennepin County.
4. Sixteen hour (6:00 AM to 10:00 PM) turn count taken in 1983 at the CSAH 18 - CSAH 1 (102nd Street) intersection by Hennepin County.
5. Present (1986) and historic Average Daily Traffic (ADT) volumes from Mn/DOT flow maps.
6. Hennepin County flow map data.



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7. M.S.A.S. ADT counts taken by the Cities of Bloomington and Eden Prairie.
8. Short turn counts taken in 1989 at CSAH 18 and the following intersections: Anderson Lakes Parkway (Bloomington Ferry Road), CSAH 1 (102nd Street) and the east intersection with CSAH 1. These counts were taken by Mn/DOT.
9. Several field trips to the area by Traffic Forecast Section staff.

The Alternate 1 road network is based on the following assumptions:

1. New TH 212 Freeway is built between TH 5 west of TH 494 and existing TH 212 west of Chaska.
2. Shakopee Bypass is built between TH 169 north of TH 41 and TH 101 east of existing CSAH 18.
3. New CSAH 18 Freeway-Expressway is built between TH 494 and the Shakopee Bypass. New CSAH 18 will have Freeway level of service from the Shakopee Bypass to CSAH 1 (River View Road) and Expressway level of service from CSAH 1 (River View Road) to TH 494.
4. The level of service on CR 89 south of the Shakopee Bypass will be improved in the future.

In addition, it should be pointed out that for purposes of this report (TA-M368-A) the Traffic Forecast Section of Mn/DOT have only allowed access to CSAH 18 between the Minnesota River and TH 494 at the 5 intersection (interchange) locations shown on Figures 1, 2, and 3.

Furthermore, an additional report is being prepared by the Traffic Forecast Section of Mn/DOT which will cover CSAH 18 and the Shakopee Bypass south of the Minnesota River (TA-M368-B).



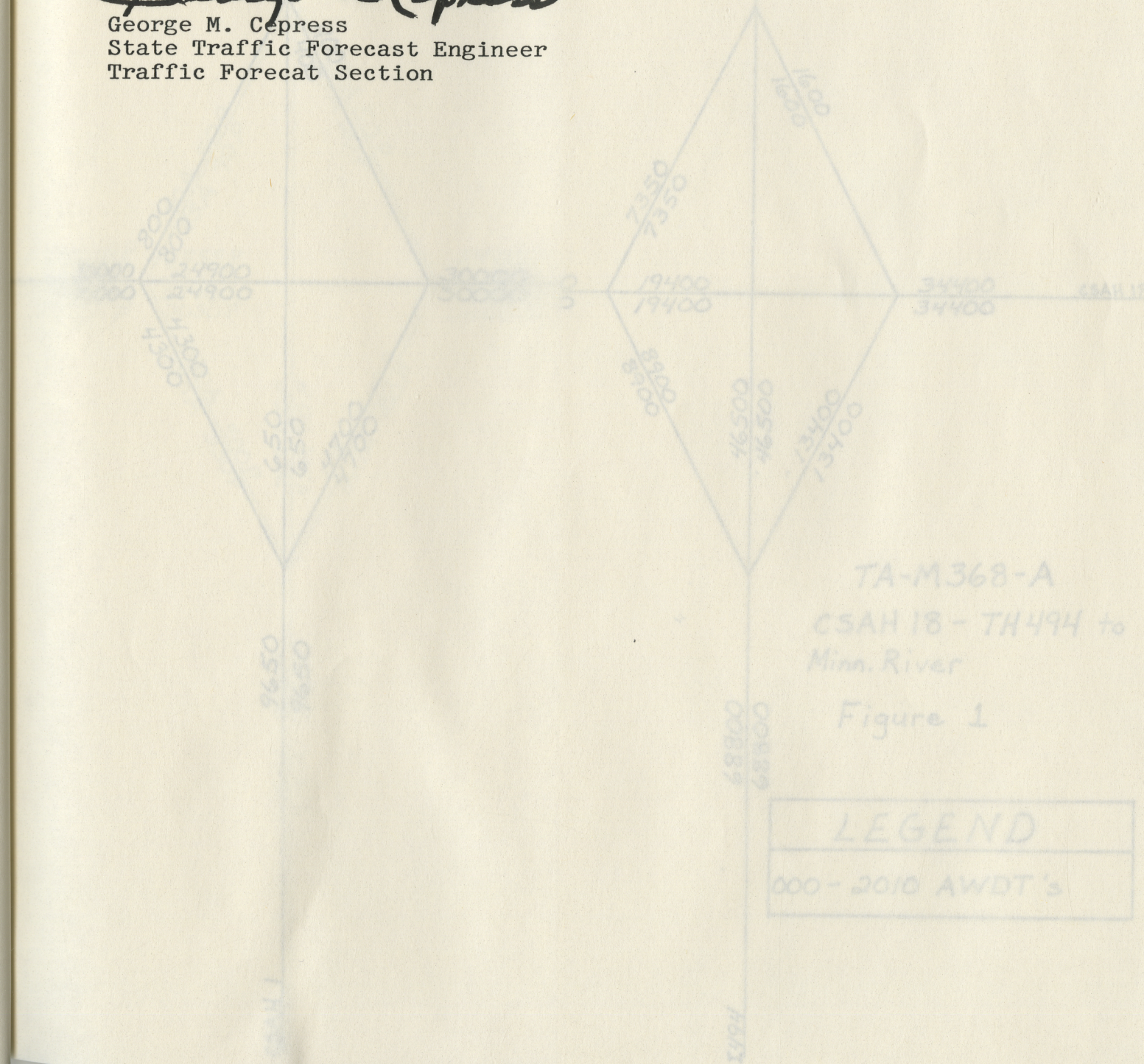
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Finally, a consolidated report (TA-M368-C) will be prepared which will cover the material presented in reports TA-M368-A, TA-M368-B and additional background data.

Please contact Jim Page at 296-1626 or Tom Nelson at 296-2083 if you have any further questions on this report.

Sincerely,

*George M. Cepress*  
George M. Cepress  
State Traffic Forecast Engineer  
Traffic Forecast Section



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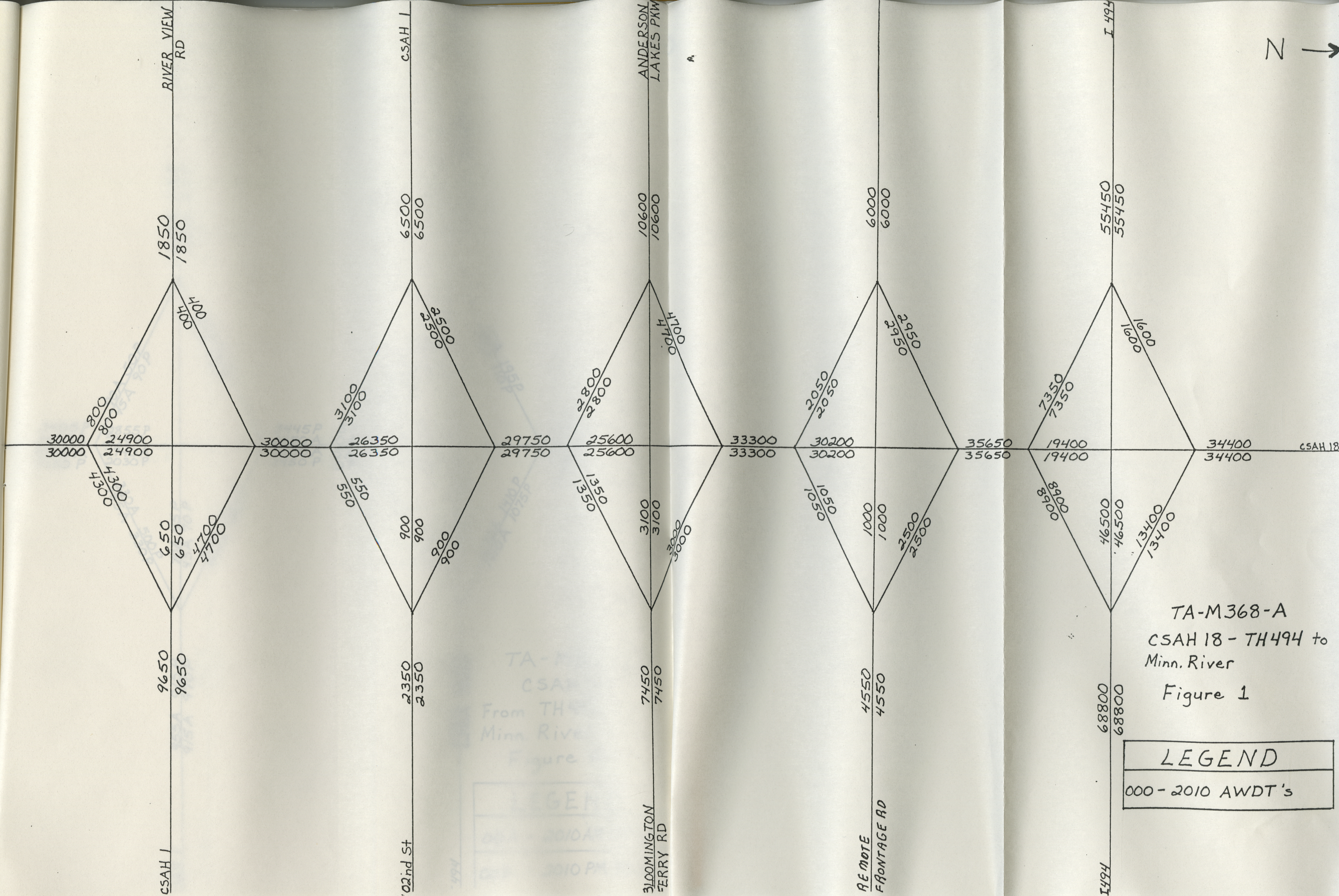
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2. Shakopee Bypass is built between TH 169 north of TH 41 and TH 101 east of existing CSAH 18.
3. New CSAH 18 Freeway-Expressway is built between TH 494 and the Shakopee Bypass. New CSAH 18 will have Freeway level of service from the Shakopee Bypass to CSAH 1 (River View Road) and Expressway level of service from CSAH 1 (River View Road) to TH 494.
4. The level of service on CR 89 south of the Shakopee Bypass will be improved in the future.

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2400H  
2400H

385H  
385H

40H  
40H  
RIVER VIEW RD

CSAH 1

2430H  
2430H

70H  
70H

102nd St

195H  
195H

CSAH 1

2440H  
2440H

225H  
225H

BLOOMINGTON  
FERRY RD

320H  
320H

ANDERSON  
LAKES PKWY

2780H  
2780H

185H  
185H

REMOTE  
FRONTAGE RD

240H  
240H

REMOTE  
FRONTAGE RD

3030H  
3030H

5160H  
5160H

I 494

4435H  
4435H

I 494

3095H  
3095H

CSAH 18

TA-M368-A

CSAH 18  
TH 494 to Minn. River

Figure 3

LEGEND  
000H - 2010 HCAWDT

